

AMSAT News Service Weekly Bulletins

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AMSAT NEWS SERVICE

ANS-203

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on <http://www.amsat.org> publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:  
ans-editor at amsat.org.

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ANS-203 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 203.01

From AMSAT HQ KENSINGTON, MD.

DATE July 22, 2018

To All RADIO AMATEURS

BID: \$ANS-203.01

2018 Corrected Board of Directors Ballots

Due to a printing error, the beige-colored ballots mailed to AMSAT- NA members for the 2018 Board of Directors election on July 15, 2018 have been declared void. Any of these voided ballots received at the AMSAT-NA office will not be counted.

New ballots labeled "CORRECTED BALLOT 7/20/2018" and printed on yellow-colored cardstock will be mailed to all AMSAT-NA members.

Please vote for no more than three of the 2018 candidates:

Tom Clark, K3IO  
Mark Hammond, N8MH  
Scott Harvey, KA7FVV  
Bruce Paige, KK5D0  
Peter Portanova, W2JV

The Directors positions will go to the three candidates receiving the

highest number of votes. In addition, there will be two alternate members chosen, based on the next highest number of votes received.

[ANS thanks Clayton W5PFG AMSAT-NA Corporate Secretary for the above information]

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Scotland site selected as launch base for Lockheed Martin, Orbex

Two companies – U.S. aerospace giant Lockheed Martin and British start-up Orbex – seeking to carve out a share of the burgeoning small satellite launch market plan to fly their rockets from a remote site on the northern shore of Scotland, British government and industry officials announced Monday.

The proposed launch facility would be built on A'Mhoine Peninsula, a sparsely-populated stretch of land overlooking the sea. The first launch from Sutherland could happen in the early 2020s.

British government officials said the development of a U.K. spaceport would give the nation's industry broader access to the space market. British companies, such as SSTL in England and Clyde Space in Scotland, are already counted among the global leaders in constructing small satellites.

Scottish Secretary David Mundell said the Sutherland launch site could create hundreds of new jobs.

Lockheed Martin is reportedly interested in launching a variant of Rocket Lab's Electron booster from the Sutherland site. The U.S. aerospace contractor is a strategic investor in Rocket Lab, which already operates an orbital spaceport in New Zealand, and is planning to develop a U.S. launch pad for the Electron vehicle, which has made two test flights to date.

Rocket Lab said in a statement late Monday that it is "evaluating launch opportunities" from the Sutherland spaceport in Scotland.

"Electron is well-positioned to be the first orbital rocket launched from U.K. soil," said Peter Beck, Rocket Lab's founder and CEO. "We're excited to review the opportunity to develop a launch service to support the U.K. space industry's growth.

"Every aspect of Rocket Lab's launch model is designed to offer rapid, repeatable and precise delivery to orbit for small satellites," Beck said in a statement. "The development of launch sites around the globe that can support

Electron launches is crucial to delivering unprecedented access to orbit.”

[ANS thanks SpaceFlightNow for the above information]

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#### Changes to AMSAT-NA TLE Distribution for 7-18-2018

The nine cubesats (JAXA) that were deployed on April 13,2018 from the ISS have been added this week as follows:

Object NU - NORAD CAT ID 43546  
Object NV - NORAD CAT ID 43547  
Object NW - NORAD CAT ID 43548  
Object NX - NORAD CAT ID 43549  
Object NY - NORAD CAT ID 43550  
Object NZ - NORAD CAT ID 43551  
Object PA - NORAD CAT ID 43552  
Object PB - NORAD CAT ID 43553  
Object PC - NORAD CAT ID 43554

These objects are too close together to be positively identified.  
The objects deployed are RainCube, Radix, CubeRRt, HaloSat, TEMPEST-D, EnduroSat AD, EQUISat, MemSat and RadSat-g

Only the following operate in the Amateur bands:

EduroSat AD 437.050MHz CW, GFSK 9k6  
EQUISat 435.550MHz CW, FSK 9k6  
MemSat 437.350MHz BPSK 9k6  
(per IARU Coordination status)

[ANS thanks Nico Janssen (PA0DL0), IARU and AMSAT-UK for the above info]

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#### Upcoming ARISS Contact Schedule as of 2018-07-19

Shinoda Elementary School, Izumi City, Japan, direct via 8N3SD  
The ISS callsign is presently scheduled to be NA1SS  
The scheduled astronaut is Ricky Arnold KE5DAU  
Contact is a go for: Mon 2018-07-23 09:47:14 UTC 43 deg

ISS R&D Conference-San Francisco, CA, (CASIS#2), participating school Quest Institute for Quality Education, San Jose, CA, telebridge via VK5ZAI  
The ISS callsign is presently scheduled to be NA1SS  
The scheduled astronaut is Serena Aunon-Chancellor KG5TMT  
Contact is a go for: Thu 2018-07-26 20:22:10 UTC 48 deg

ARISS is always glad to receive listener reports for the above contacts. ARISS thanks everyone in advance for their assistance. Feel free to send your reports to aj9n at amsat.org or aj9n at aol.com.

Listen for the ISS on the downlink of 145.80 MHz.

[ANS thanks Charlie, AJ9N, for the above information]

### Faculty Positions Opening This Summer at the Hawaii Space Flight Lab

There are two new tenure track faculty positions opening this summer to work with the Hawaii Space Flight Lab on Small Satellite research. These two positions are for an Assistant Researcher and the other for an Associate Researcher.

The position announcement can be found at:  
<http://workatuh.hawaii.edu/Jobs/NAdvert/28814/4956642/1/postdate/desc>

This is the HSFL website:  
<https://www.hsfl.hawaii.edu/>

and a brief overview of the lab in PDF format can be found in this link:  
<https://www.hsfl.hawaii.edu/wp-content/uploads/2018/07/HSFL-Overview-2018-07-01.pdf>

The HSFL team will be at SmallSat so anyone interested can meet the team and learn more about HSFL.

[ANS thanks Miguel Nunes for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status. Contact Martha at the AMSAT Office for additional student membership information.

73,  
This week's ANS Editor,  
Lee McLamb, KT4TZ  
kt4tz at amsat dot org